

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

EV 550 280 987 US "Express Mail" mailing Number

2/ June, 2005

Date of Deposit

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above addressed to the

MAIL STOP PETITIONS Commissioner for Patents Post Office Box 1450 Alexandria, Virginia 22313-145Q

Donald E. Schreiber

Dated: 20 June

, 200<u>5</u>

Donald E. Schreiber A Professional Corporation Post Office Box 2926 Kings Beach, CA 96143-2926 (530) 546-6041

Serial No. : 10/508,861

Confirmation No. (Unknown)

Applicant

: Kung Chris Wu, et al.

Filed Title : September 2, 2005 : UNIVERSAL RETICLE TRANSFER

SYSTEM (Value of the control of the

TC/A.U. : (Unknown) Examiner : (Unknown)

Docket No.: 2207 Customer No.: 23320

MAIL STOP PETITIONS Commissioner for Patents Post Office Box 1450 Alexandria, Virginia 22313-1450

Sir:

PETITION TO ADD AN INVENTOR

Under

37 C.F.R. § 1.497(d)

Pursuant to 37 C.F.R. § 1.497(d), Applicants hereby petition to add Chien-Rong Huang as an inventor for the United States patent application identified above in addition to the five (5) inventors identified on Patent Cooperation Treaty ("PCT") international

patent application no. PCT/US2003/018705, International Publication No. WO 2003/106310 Al, from which the United States patent application claims priority.

Due to an oversight by applicant's counsel during preparation of the PCT patent application, without deceptive intent Chien-Rong Huang's name was omitted from the inventors listed on the PCT patent application. Chien-Rong Huang appears as an inventor on United States provisional patent application no. 60/388,959 from which the PCT patent application claims priority.

Respectfully submitted

Donald E. Schreiber

Reg. No. 29,435

Dated: 20 June, 200

Donald E. Schreiber A Professional Corporation Post Office Box 2926 Kings Beach, CA 96143-2926

Telephone: (530) 546-6041

Attorney for Applicants



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No. : 10/508,861 Confirmation No. (Unknown)

Applicant : Kung Chris Wu, et al.

Filed: September 2, 2005

Title : UNIVERSAL RETICLE TRANSFER

SYSTEM

TC/A.U. : (Unknown) Examiner : (Unknown)

Docket No. : 2207 Customer No.: 23320

Commissioner for Patents Post Office Box 1450 Alexandria, Virginia 22313-1450

Sir:

STATEMENT BY CHIEN-RONG HUANG In Support Of a PETITION TO ADD AN INVENTOR Under

37 C.F.R. § 1.497(d)

- I, CHIEN-RONG HUANG declare that:
- 1. I am identified as an inventor on United States provisional patent application no. 60/388,959 from which Patent Cooperation Treaty ("PCT") international patent application no. PCT/US2003/018705, International Publication No. WO 2003/106310 A1, claims priority.
- 2. I was omitted as an inventor on the PCT patent application without deceptive intent by me.
- 3. I truthfully signed a declaration for the United States patent application identified above that:
 - a. claims priority from the PCT patent application;
 and
 - b. was filed with the United States Patent and Trademark Office ("USPTO") on September 2, 2004.

4. I declare under penalty of perjury under the laws of the United States of America that all statements made herein of my own knowledge are true and correct, and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of any patent issuing on the present application.

	Chion - Rong	Huane	?
	Chien-RongUH	luang (
Dated:	June 7	,	200 <u>5</u>



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No. : 10/508,861 Confirmation No. (Unknown)

Applicant : Kung Chris Wu, et al. Filed : September 2, 2005

Title : UNIVERSAL RETICLE TRANSFER SYS-

TEM

TC/A.U. : (Unknown)
Examiner : (Unknown)

Docket No.: 2207 Customer No.: 23320

Commissioner for Patents Post Office Box 1450 Alexandria, Virginia 22313-1450

Sir:

CONSENT OF ASSIGNEE TO THE ADDITION OF AN INVENTOR

Under 37 C.F.R. § 1.497(d)

- I, Kung Chris Wu, acting as CEO & President of Fortrend Engineering Corporation, a California corporation having an office located at 404 Tasman Drive, Sunnyvale, California 94089-1705, certify that:
- 1. pursuant to an assignment recorded with the United States Patent and Trademark Office ("USPTO") on December 29, 2003, at Reel/Frame 014892/0641, a copy of which is attached hereto as Exhibit A, Fortrend Engineering Corporation is the assignee of Patent Cooperation Treaty ("PCT") international patent application no. PCT/US2003/018705, International Publication No. WO 2003/106310 A1, from which the United States patent application identified above claims priority.

- 2. Fortrend Engineering Corporation hereby consents to the addition of Chien-Rong Huang as an inventor for the United States patent application identified above.
- 3. I declare under penalty of perjury under the laws of the United States of America that all statements made herein of my own knowledge are true and correct, and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of any patent issuing on the present application.

Kyng Chris Wu

CZO & President

Fortrend Engineering Corporation

Ď-+---.

ك 200





United States Patent'and Trademark Office

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JULY 09, 2004

PTAS

DONALD E. SCHREIBER A PROFESSIONAL CORP. DONALD E. SCHREIBER, ESQ. PO BOX 2926 KINGS BEACH, CA 96143-2926



UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/29/2003

REEL/FRAME: 014829/0641

NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 2207PCT

ASSIGNOR:

WU, KUNG CHRIS DOC DATE: 12/12/2003

ASSIGNOR:

SIFUENTES, ROBERT FRANK DOC DATE: 12/12/2003

ASSIGNOR:

HARDY, KENNETH ALAN DOC DATE: 12/12/2003

ASSIGNOR:

CALIBOSO, EDGARDO A. DOC DATE: 12/12/2003

ASSIGNOR:

MALOBRODSKY, ANATOLY DOC DATE: 12/12/2003

014829/0641 PAGE 2

ASSIGNEE:

FORTREND ENGINEERING COMPANY 404 TASMAN DRIVE SUNNYVALE, CALIFORNIA 94089-1705

SERIAL NUMBER: PATENT NUMBER:

PCT NUMBER: US0318705

TITLE:

FILING DATE: ISSUE DATE:

TARA WASHINGTON, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

A S S I G N M E N T

We, Kung Chris Wu, Robert Frank Sifuentes, Kenneth Alan Hardy, Edgardo A. Caliboso and Anatoly Malobrodsky, whose citizenships, residences, and post office addresses are as stated below beneath our names, for One Dollar (\$1.00) in hand paid to us and for other good and valuable consideration, receipt of which is hereby acknowledged, have assigned and do hereby assign to Fortrend Engineering Corporation, a California corporation having an office located at 404 Tasman Drive, Sunnyvale, California 94089-1705 (hereinafter referred to as Assignee), its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter invented by us and disclosed in Patent Cooperation Treaty ("PCT") International Patent Application entitled:

UNIVERSAL RETICLE TRANSFER SYSTEM

that was filed with the United States Patent and Trademark Office ("USPTO") on June 12, 2003, and has been assigned International application no. PCT/US03/18705, and that designates the United States of America; and in and to any and all regular. divisions, reissues, in and to all continuations and extensions thereof; and in and to all Letters Patent and all Convention and Treaty Rights of all kinds, in all countries throughout the world, for such subject matter.

We hereby authorize and request that Patent Office Officials in the United States and any and all foreign countries issue any and all of the Letters Patent, when granted, to the Assignee, as the assignee of our entire right, title and interest in and to the same, for the sole use and enjoyment of said Assignee, its successors and assigns.

Further, we agree that we will communicate to said Assignee, or its representatives, any facts known to us respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisions, continuations, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said Assignee, make all rightful oaths and generally do everything necessary or desirable to aid said Assignee, its successors and assigns, in obtaining and enforcing proper protection for said invention in the United States and in any and all foreign countries.

In Testimony Whereof, we have hereunto set our hands on December 12, 200 \$ 1,000.

Residence:

ung Chris Wu : United States of America

Citizenship:

United States

of America

Residence Address:

1695 Heron Avenue Sunnyvale, California 94087 Robert Frank Sifuentes

Residence: United States of America

Citizenship: United States

of America

Residence Address: 240 Hazen St.

Milpitas, California 95035

Kenneth Alan Hardy
Residence: United States

of America Citizenship: United States

of America

Residence Address:

4857 Birmingham Dr. San Jose, California 95136 Edgardo A. Caliboso

Residence: United States of America
Citizenship: United States

of America

Residence Address:

1390 Pointe Claire Dr. Sunnyvale, California 94087

12.16.03 Anatoly Malobrodsky
Residence: United States
of America
Citizenship: United States

of America

Residence Address:
1528 Lilac Ln.
Mountain View, California
94043

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

STATE OF CALIFORNIA)				
COUNTY OF SANTA CLARA				
On DECEMBER 12, 2003 before me, DATE KUNG CHRIS personally appeared, AND KENNETH	IAME, TITLE OF OFFICER - E.G.	, "JANE DOE, NOTARY PUBLIC"		
personally known to me (or proved to me of person(s) whose name(s) is/are subscribed that he/she/they executed the same in his/he his/her/their signature(s) on the instrument the person(s) acted, executed the instrument	to the within instrument er/their authorized capac the person(s), or the enti	and acknowledged to me city(ies), and that by		
WITNESS my hand and official seal.	COMM. CO	ER WONG \$ 1 1301385 \$ 81G-CALIFORNIA PLARA COUNTY OP. MAY 9, 2005		
NOTARY PUBLIC SIGNATURE	SEAL)			
OPTIONAL	INFORMATION			
THUS OPTIONAL INFORMATION				
TITLE OR TYPE OF DOCUMENT ASSIGN	METOT			
	NUMBER OF PAGES	2		
SIGNER(S) OTHER THAN NAMED ABOVE	TOLY MALO BROD	SKY		
SIGNER'S NAME	SIGNER'S NAME			
TARGEMENT THOLS	, gu	OHT THUMBPRINT		

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California	ss.			
County of)			
WONTH YPAR	ne, Ali Asghar Rangwala, a Notary Public,			
personally appeared ANATOLY (ARA ANATOLIY) MALOBRODSKY,				
NAME(S) OF SIGNER(S)				
personally known to me proved to me on the basis of satisfactory evidence				
to be the person(p) whose name(p) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(iss), and that by his/her/their signature(e) on the instrument the person(e), or the entity upon behalf of which the person(e) acted, executed the instrument.				
WITNESS my hand and official seal.				
ALI ABGHAR RANGWALA Z COMM 1442320 EMOTATY PUBLIC CALIFORNIA D	Oh Johan Langerus			
SANTA CLARA COUNTY 0 COMM EUP. SEPT. 28, 2007	Ali Asghar Rangwala			
PLACE NOTARY SEAL ABOVE	TYPED NAME OF NOTARY PUBLIC			
Though the information below is not required by law, it may prove valuable to persons relying on this NOTARIZED DOCUMENT and could prevent fraudulent removal and reattachment of this form to another document. Description of Attached Document				
Title or Type of Document: Assignment				
45 11 6 1	mber of Pages: Q			
Signer(s) other than named above: Kenneth A Handy, Edgardo A. Caliboso				
Capacity(les) Claimed by Signer(s) Signer's Name: ANA TOLY MAGREDISKY	Signer's Name:			
☐ Individual ☐ Trustee ☐ Corporate Officer☐ Partner ☐ Guardian ☐ Attorney in Fact	.□ Individual □ Trustee □ Corporate Officer □ Partner □ Guardian □ Attorney in Fact			
☐ Other:	□ Other:			
Signer is Representing:	Signer is Representing:			
Top of Frants here	Francis Tarricus (Co.) Francis Co. Top of thumb here			





(12)特許協力条約に基づいて公開された国際出願

(19) 世界知的所有権機関 国際事務局



(43) 国際公開日 2003 年10 月16 日 (16.10.2003)

PCT

(10) 国際公開番号 WO 03/084973 A1

(51) 国際特許分類7:

C07F 15/00,

C08G 61/12, C09K 11/06, H05B 33/14

(21) 国際出願番号:

PCT/JP03/03494

(22) 国際出願日:

2003年3月24日(24.03.2003)

(25) 国際出願の言語:

日本語

(26) 国際公開の言語:

日本語

(2)

(30) 優先権データ: 特願2002-86173

特願2002-86173 2002年3月26日(26.03.2002) JP 特願2002-86174 2002年3月26日(26.03.2002) JP

(71) 出願人 (米国を除く全ての指定国について): 住友化学 工業株式会社 (SUMITOMO CHEMICAL COMPANY, LIMITED) [JP/JP]; 〒541-8550 大阪府 大阪市 中央区 北浜四丁目 5番 3 3号 Osaka (JP).

(72) 発明者; および

(75) 発明者/出願人 (米国についてのみ): 小林 脇 (KOBAYASHI,Satoshi) [JP/JP]; 〒305-0005 茨城県 つ くば市天久保2-13-10-201 Ibaraki (JP). 土居 秀二 (DOI,Shuji) [JP/JP]; 〒305-0045 茨城県 つくば 市梅園2-13-1-1-201 Ibaraki (JP). 三上智司 (MIKAMI,Satoshi) [JP/JP]; 〒665-0871 兵庫県 宝塚市 中山五月台1-4-6 Hyogo (JP).

- (74) 代理人: 榎本 雅之, 外(ENOMOTO,Masayuki et al.); 〒541-8550 大阪府 大阪市 中央区北浜四丁目 5 番 3 3 号 住友化学知的財産センター株式会社内 Osaka (JP).
- (81) 指定国 (国内): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) 指定国 (広域): ARIPO 特許 (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), ユーラシア特許 (AM,

/袈葉有]

(54) Title: METAL COMPLEXES AND ORGANIC ELECTROLUMINESCENT DEVICES

(54) 発明の名称: 金属錯体化合物および有機エレクトロルミネッセンス素子

$$-A \longrightarrow \begin{pmatrix} (R^1)_a & (R^2)_b \\ N & R^3 \end{pmatrix}$$

(57) Abstract: Metal complexes characterized by having a metal complex structure permitting luminescence from the triplet excited state and a monovalent group represented by the general formula (1) or (2); and luminescent devices made by using the same. The metal complexes are superior to luminescent materials of the prior art in luminous efficiency and can form luminescent layers by coating. (1) [wherein A is arylene or the like; R¹ and R² are each independently halogeno or the like; R³ is alkyl or the like; a is an integer of 0 to 4] (2) [wherein D is arylene or the like; R⁴ and R⁵ are each independently halogeno or the like; and c and d are each an integer of 0 to 4.]

